

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An interface method for a logical circuit comprising a logical operation element, ~~comprising the step of:~~ comprising:

~~defining an interface,~~ a hardware interface, using ~~an interface~~ a first interface definition language which is partly common to ~~an~~ to a second interface definition language directed to a software ~~object and~~ object, wherein the first interface definition language has means for defining a function name, an argument, and a return value for each ~~function,~~ function defined by the function name, and

providing at least means for inputting for identifying ~~a~~ the function name defined by the first interface definition language for a server interface circuit in order to realize the interface among the means for inputting for identifying ~~a~~ the function name defined by the first interface definition language, means for inputting and outputting ~~an~~ the argument, and means for outputting ~~a~~ the return value.

2. (Currently Amended) An interface method for a logical circuit comprising a logical operation element, ~~comprising the step of:~~ comprising:

~~defining an interface,~~ a hardware interface, using ~~an interface~~ a first interface definition language which is partly common to ~~an interface~~ a second interface definition language directed to a software ~~object and~~ object, wherein the first interface definition language has means for defining a function name, an argument, and a return value for each ~~function,~~ function defined by the function name, and

providing at least means for outputting for identifying ~~a~~ the function name defined by the first interface definition language for a client interface circuit in order to realize the interface among the means for outputting for identifying ~~a~~ the function name

defined by the first interface definition language, means for inputting and outputting ~~an~~ the argument, and means for inputting ~~a~~ the return value.

3. (Currently Amended) An interface method for a logical circuit comprising a logical operation element, ~~said method comprising the step of:~~ comprising:

defining ~~an interface,~~ a hardware interface, using ~~an interface~~ a first interface definition language which is partly common to ~~an interface~~ a second interface definition language directed to a software ~~object and object~~, wherein the first interface definition language has means for defining a function name, an argument, and a return value for each ~~function,~~ function defined by the function name, wherein the logical circuit comprises

a server logical circuit, as a server interface circuit for realizing the interface, having at least means for inputting for identifying ~~a~~ the function name defined by the first interface definition language among the means for inputting for identifying ~~a~~ the function name defined by the first interface definition language, means for inputting and outputting ~~an~~ the argument, and means for outputting ~~a~~ the return value, and

a client logical circuit, as a client interface circuit for realizing the interface, having at least means for outputting for identifying ~~a~~ the function name defined by the first interface definition language among the means for outputting for identifying ~~a~~ the function name defined by the first interface definition language, means for inputting and outputting ~~an~~ the argument, and means for inputting ~~a~~ the return value, and

data can be transferred from the means for outputting for identifying ~~a~~ the function name of the client logical circuit to the means for inputting for identifying ~~a~~ the function name of the server logical circuit,

~~when the server logical circuit and the client logical circuit have the means for inputting and outputting an argument, data can be transferred between the means for inputting~~

~~and outputting an argument of the server logical circuit and means for inputting and outputting an argument of the client logical circuit, and~~

~~when the server logical circuit and the client logical circuit have at least of each having at least one of the means for outputting a~~the ~~return value and the means for inputting a~~the ~~return value, and data can be transferred from the means for outputting a~~the ~~return value to the means for inputting a return value.~~

4. (Currently Amended) A device having ~~an interface~~a hardware interface and a logical circuit comprising a logical operation element, which defines an interface, using ~~an interface~~a first interface definition language which is partly common to ~~an interface~~a second interface definition language directed to a software object ~~and has object, wherein the first interface definition language has~~ means for defining a function name, an argument, and a return value for each ~~function, function defined by the function name,~~ wherein

a server interface circuit for realizing the interface comprises means for inputting for identifying ~~a~~the function name defined by the first interface definition language among the means for inputting for identifying ~~a~~the function name defined by the first interface definition language, means for inputting and outputting ~~an~~the argument, and means for outputting ~~a~~the return value.

5. (Currently Amended) A device having ~~an interface~~a hardware interface and a logical circuit, which defines an interface, using ~~an interface~~a first interface definition language which is partly common to ~~an interface~~a second interface definition language directed to a software object and has means for defining a function name, an argument, and a return value for each ~~function, function defined by the function name,~~ wherein

a client interface circuit for realizing the interface comprises means for outputting for identifying ~~a~~the function name defined by the first interface definition language among the means for outputting for identifying ~~a~~the function name defined by the

first interface definition language, means for inputting and outputting ~~an~~ the argument, and means for inputting ~~a~~ the return value.

6. (Currently Amended) The device according to claim 5, wherein
the client interface circuit has a connection terminal and a register,
the connection terminal of the client interface is ~~connectable to either~~
connected to the server interface circuit or a system bus, and
when the connection terminal of the client interface is connected to the server
interface circuit, the device connected with the server interface circuit is drivable via the
server interface circuit, and

when the connection terminal of the client interface is connected to the system
bus, a value of the register within the client interface can be read via a central processing
device such that the central processing device can serve in the place of the device connected
with the server interface circuit.

7. (New) An interface method for a logical circuit comprising a logical operation
element, comprising:

defining a hardware interface, using an interface definition language which has
means for defining at least a function name, an argument, and a return value for each function
defined by a function name, and

providing at least means for inputting for identifying the function name
defined by the interface definition language for a server interface circuit in order to realize the
interface among the means for inputting for identifying the function name defined by the
interface definition language, means for inputting and outputting the argument, and means for
outputting the return value.

8. (New) An interface method according to claim 3, comprising:

the server logical circuit and the client logical circuit each having the means for inputting and outputting the argument and data can be transferred between the means for inputting and outputting the argument of the server logical circuit and means for inputting and outputting the argument of the client logical circuit.

9. (New) An interface method for a logical circuit comprising a logical operation element, comprising:

defining a hardware interface, using an interface definition language having means for at least defining a function name, an argument, and a return value for each function defined by the function name, and

providing at least means for outputting for identifying the function name defined by the interface definition language for a client interface circuit in order to realize the interface among the means for outputting for identifying the function name defined by the interface definition language, means for inputting and outputting the argument, and means for inputting the return value.

10. (New) An interface method for a logical circuit comprising a logical operation element, comprising:

defining a hardware interface, using an interface definition language having means for defining a function name, an argument, and a return value for each function defined by the function name, wherein the logical circuit comprises

a server logical circuit, as a server interface circuit for realizing the interface, having at least means for inputting for identifying the function name defined by the interface definition language among the means for inputting for identifying the function name defined by the interface definition language, means for inputting and outputting the argument, and means for outputting the return value, and

a client logical circuit, as a client interface circuit for realizing the interface, having at least means for outputting for identifying the function name defined by the interface definition language among the means for outputting for identifying the function name defined by the interface definition language, means for inputting and outputting the argument, and means for inputting the return value, and

data can be transferred from the means for outputting for identifying the function name of the client logical circuit to the means for inputting for identifying the function name of the server logical circuit,

the server logical circuit and the client logical circuit each having at least one of the means for outputting the return value and the means for inputting the return value, and data can be transferred from the means for outputting the return value to the means for inputting a return value.

11. (New) A device having a hardware interface and a logical circuit comprising a logical operation element, which defines an interface, using an interface definition language having means for defining a function name, an argument, and a return value for each function defined by the function name, wherein

a server interface circuit for realizing the interface comprises means for inputting for identifying the function name defined by the interface definition language among the means for inputting for identifying the function name defined by the interface definition language, means for inputting and outputting the argument, and means for outputting the return value.

12. (New) A device having a hardware interface and a logical circuit, which defines an interface, using an interface definition language having means for defining a function name, an argument, and a return value for each function defined by the function name, wherein

a client interface circuit for realizing the interface comprises means for outputting for identifying the function name defined by the interface definition language among the means for outputting for identifying the function name defined by the interface definition language, means for inputting and outputting the argument, and means for inputting the return value.

13. (New) The device according to claim 12, wherein
- the client interface circuit has a connection terminal and a register,
- the connection terminal of the client interface is connected to the server interface circuit or a system bus, and
- when the connection terminal of the client interface is connected to the server interface circuit, the device connected with the server interface circuit is drivable via the server interface circuit, and
- when the connection terminal of the client interface is connected to the system bus, a value of the register within the client interface can be read via a central processing device such that the central processing device can serve in the place of the device connected with the server interface circuit.

14. (New) An interface method according to claim 10, comprising:
- the server logical circuit and the client logical circuit each having the means for inputting and outputting the argument and data can be transferred between the means for inputting and outputting the argument of the server logical circuit and means for inputting and outputting the argument of the client logical circuit.